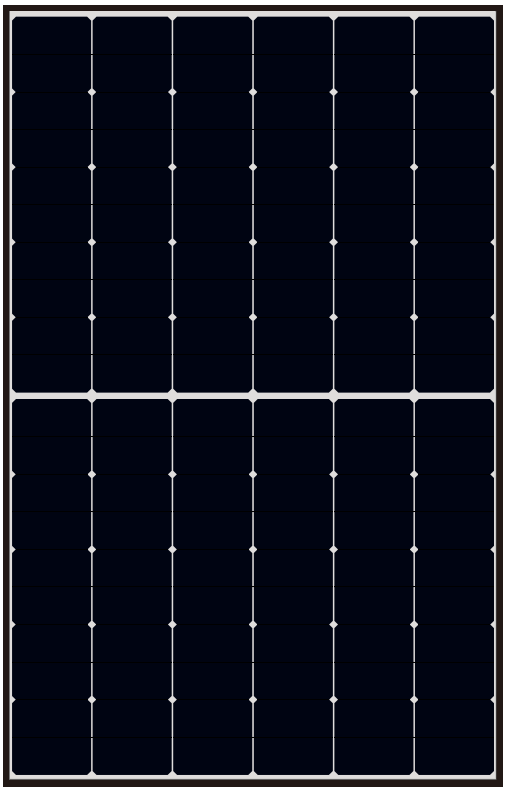
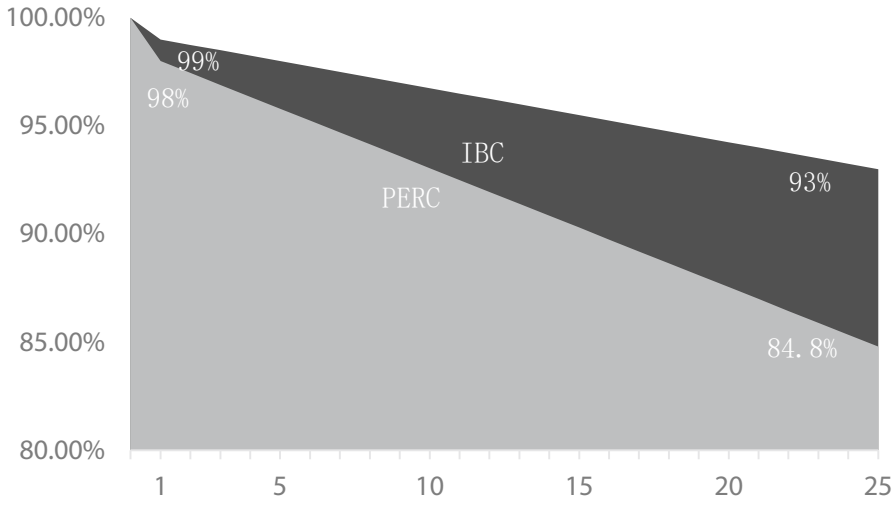
MAYSUN SOLAR

IBC monofacial 120 half-cell module

High Efficiency Series 380W~390W

- Exquisite Visual Effect
- Super High Efficiency
- ZERO Light Induced Degradation (LID)
- Excellent Low Irradiance Response
- Less Shading Power Loss
- Perfect Temperature Coefficients
- Anti-PID & Anti-LeTID





-1.0%	1st year Degradation
-0.25%	Annual Degradation after 1st year
93.0%	25 years Linear Power Warranty
Double 25 years	25 years Product Warranty

浙江岗航能源科技有限公司
Zhejiang GangHang Solar Technology Co., Ltd.

ADD: Building No.2 Xintiandi, Xiacheng Zone, Hangzhou, Zhejiang, China
Website:www.maysun solar.com

结构参数 Mechanical Characteristics

电池类型	Cell Type	单晶 IBC 166×83 mm （半片）	Mono-crystalline IBC 166×83 mm (Half-cell)
电池数量	No. of Cells	120 (12×10)	120 (12×10)
组件尺寸	Dimensions	1720×1039×35mm	1720×1039×35mm
组件重量	Weight	20.0±0.5kg	20.0±0.5kg
前板玻璃	Front Glass	3.2mm，高透光率，低铁，钢化	3.2mm, High transmission, Low Iron, Tempered Glass
边框	Frame	铝合金	Aluminium Alloy
接线盒	Junction Box	防护等级 IP68	IP68 Rated
线缆	Cables	TÜV 1×4mm²，正、负极长 1200mm（或客户定制）	TÜV 1×4mm², Length:1200mm (Or Custom Design)
连接器	Connector	原厂 MC4（或客户定制）	Original MC4 (Or Custom Design)

工作参数 Working Conditions

最大系统电压	Maximum System Voltage	1500V DC (IEC)
最大保险丝额定电流	Maximum Series Fuse Rating	20A
工作温度	Operating Temperature	-40~+85℃
电池标称工作温度	Nominal Operating Cell Temperature (NOCT)	42±2℃
功率温度系数γ	Temperature Coefficient of Pmax	-0.290%/℃
开路电压温度系数β	Temperature Coefficient of Voc	-0.246%/℃
短路电流温度系数α	Temperature Coefficient of Isc	+0.046%/℃

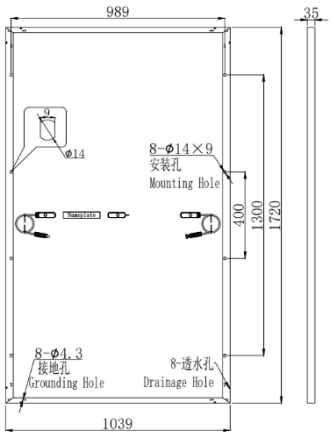
电性能参数 Electrical Parameters (STC*)

组件型号	Module Type	MS380 IBC-60H	MS385 IBC-60H	MS390 IBC-60H
最大额定功率（W）	Maximum Power Pmax (W)	380	385	390
最大功率电压（V）	Maximum Power Voltage Vmp (V)	35.1	35.3	35.5
最大功率电流（A）	Maximum Power Current Imp (A)	10.83	10.91	10.99
开路电压（V）	Open Circuit Voltage Voc (V)	41.7	41.8	41.9
短路电流（A）	Short Circuit Current Isc (A)	11.62	11.73	11.84
组件效率（%）	Module Efficiency (%)	21.3%	21.5%	21.8%

*STC（标准测试条件）：辐照度 1000 W/m²，电池温度 25°C, AM1.5 (测试误差：±3%)

*STC (Standard Test Condition): Irradiance 1000W/m², Cell temperature 25°C, AM1.5 (Measurement Tolerance: ±3%)

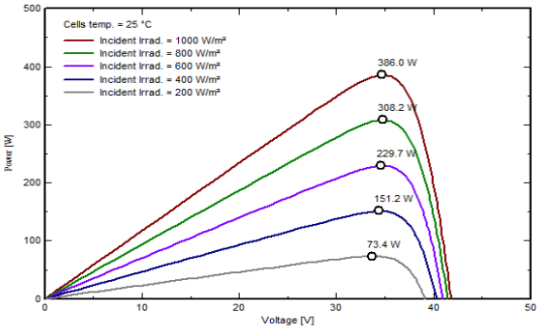
组件装配图（单位:mm）
Engineering Drawing (Units:mm)



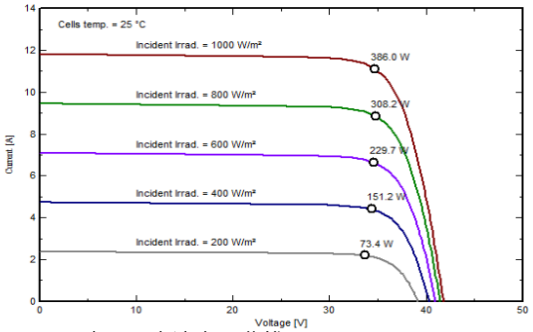
背视图 Back View

Packaging Configuration	
Packing Type	40'HQ
Piece/Pallet	30
Pallet/Container	26
Piece/Container	780

特性曲线 (385W)
Characteristic Curve (385W)



不同光强下功率电压曲线 P-V Curve at different irradiation



不同光强下电流电压曲线 I-V Curve at different irradiation

Maysun Solar FZCO Reserves the right of fi nal interpretation.
Specifi ca tions and designs included in this datasheet are subject to change without notice..